OC 5187

AIRPORT OBSTRUCTION CHART

GRAND FORKS-MARK ANDREWS INTERNATIONAL AIRPORT, GRAND FORKS, NORTH DAKOTA

AIRPORT ELEVATION 844 FEET

AIRPORT PLAN

LIMIT OF CONICAL SURFACE

LIMIT OF HORIZONTAL SURFACE

4000 FEET

TRANSITIONAL SURFACE SLOPE 7:1

4200 X 100 PAVED

7343 X 150 PAVED

3903 X 75 PAVED

Road

Roads

Railroad

Ditch

Approach Lights

Middle Marker

VOR/DME

Windsock

Lighted Windsock

Antenna on OL Control Tower 965 Control Tower Floor Elevation 979

Antenna on OL Building 905

OL on Airport Beacon 897

Vent on OL Hangar 875

OL Anemometer 860

OL on Glide Slope 872

OL Localizer 847

OL on DME 856

Building 857

Road (N) 860

Tree 913

Tree 910

Tree 905

Tree 907

Tree 890

Tree 884

Tree 879

Tree 954

Tree 866

Tree 963

Tree 902

Tree 860

Tree 871

Y = 375,000 FT

Y = 355,000 FT

X = 2,850,000 FT

X = 2,875,000 FT

97°14

47°59

57°14

13'

12'

11'

10'

09'

08'

North American Datum of 1983 (NAD 83) coordinates may be converted to chart datum coordinates for plotting on this chart by adding the following corrections to the NAD 83 coordinates.

Latitude	00.06"
Longitude	-01.29"

These corrections represent a shift of approximately 27 meters (88 feet).

AMENDMENT DATA

ECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Obstruction Data Sheets," for possible corrections. National Oceanic ospheric Administration (NOAA) publications are available through stribution Branch (N/CG33), National Ocean Service, Riverdale, MD Telephone: 301-436-6990.

DIMENSIONS AND ELEVATIONS ARE IN FEET

and compiled by the National Ocean Service (NOS), U.S. nt of Commerce in accordance with specifications and of accuracy of the Federal Aviation Administration. nt of Transportation and NOS.

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eys May 1990
November 1990

1000 500 0 5000 10000 FEET

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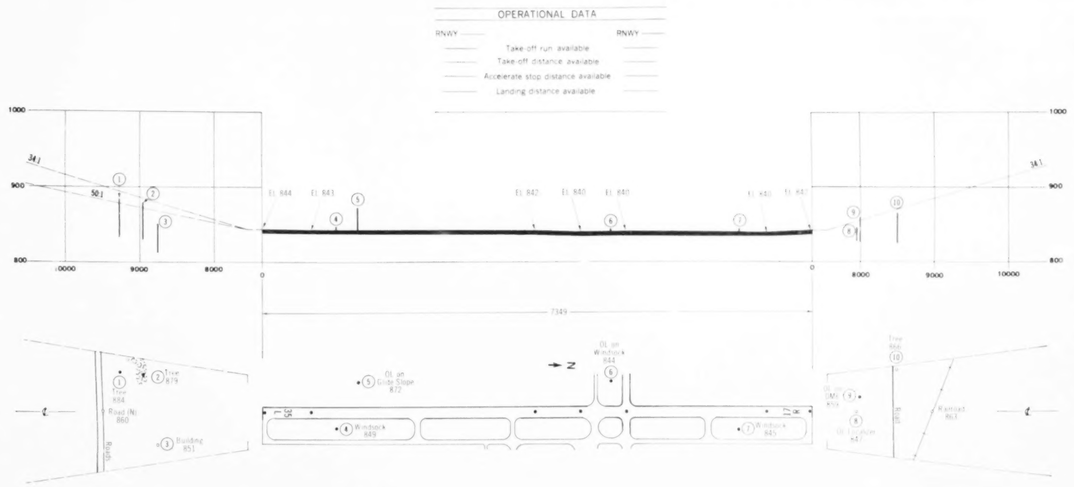
National Ocean Service

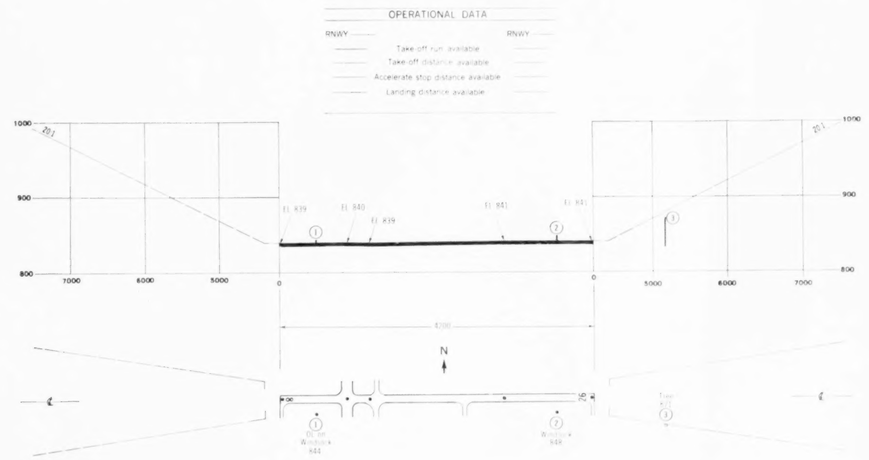
AIRPORT OBSTRUCTION CHART
GRAND FORKS-MARK ANDREWS INTERNATIONAL AIRPORT, GRAND FORKS, NORTH DAKOTA

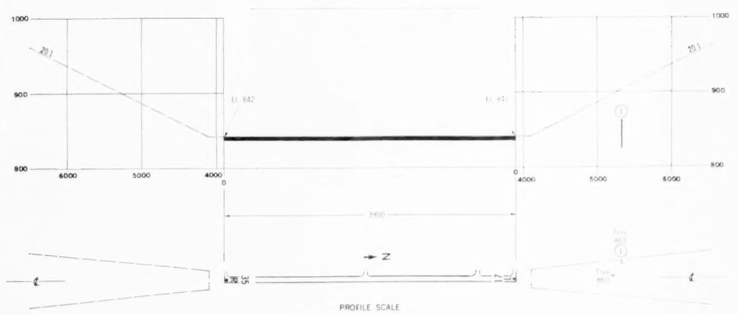
NATIONAL OCEAN SERVICE

AIRPORT PLAN

RUNWAY PLANS AND PROFILES







PROFILE SCALE
Horizontal ..... 1 inch equals 1000 feet
Vertical ..... 1 inch equals 100 feet

LEGEND

- Airport Reference Point (ARP)
- Official Airport Elevation
- With elevation - object does not penetrate specified or supplemental surface
- Without elevation - position only
- Object penetrates specified surface
- Wooded area penetrates specified surface
- Ground area penetrates specified surface
- Object penetrates supplemental surface only
- Wooded area penetrates supplemental surface only
- Ground area penetrates supplemental surface only
- Water
- Threshold lights
- S — Supplemental surface
- ( ) — Feet above ground level
- Road(I) — Interstate highway
- Road(N) — Noninterstate highway
- OL — Obstruction Light or Obstruction Lighted

SPECIAL NOTES

Fifteen feet added to noninterstate road elevations
Seventeen feet added to interstate road elevations
Twenty-three feet added to railroad track elevations
Transitional surface slopes are 7:1 unless otherwise indicated
Obstructing area limits are approximate

AIRPORT OBSTRUCTION CHART

The Airport Obstruction Chart (OC) depicts Federal Aviation Regulations Part 77 (FAR 77) surfaces, a representation of objects that penetrate these surfaces, aircraft movement and apron areas, navigational aids, prominent airport buildings, and a selection of roads and other planimetric detail in the airport vicinity. Also included are tabulations of runway and other operational data.

OC content, format, and accuracy conform to the standards specified in FAR 77, "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications — Airport Obstruction Chart and Related Products."

HORIZONTAL SCALE	1:12,000
HORIZONTAL DATUM	North American Datum of 1927
VERTICAL DATUM	National Geodetic Vertical Datum of 1929
PROJECTION	Lambert Conformal Conic
GRID SYSTEM	North Dakota State Grid, North Zone

OPERATIONAL DATA

AIRPORT LOCATION POINT — LAT. 47° 57' — LONG. 97° 11'

AIRPORT REFERENCE POINT — LAT. 47° 56' 57.377" — LONG. 97° 10' 32.696"

RUNWAY	LATITUDE	LONGITUDE	TDZE	*GEODETIC AZIMUTH
8	47° 57' 08.700"	97° 11' 04.356"	841	270° 00' 08"
26	47° 57' 08.694"	97° 10' 02.655"	841	90° 00' 54"
17L	47° 57' 04.947"	97° 09' 57.065"	842	00° 02' 08"
35R	47° 56' 26.457"	97° 09' 57.100"	842	180° 02' 08"
17R	47° 57' 33.361"	97° 10' 51.118"	842	00° 01' 03"
35L	47° 56' 20.842"	97° 10' 51.151"	844	180° 01' 03"

*Geodetic azimuth reckoned clockwise from south

VERTICAL SCALE
FEET 1000 500 0
METERS 300 150 0

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10000 FEET 1 1 1 0
STATUTE MILES 1 MILE ½ 0

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OC 5127